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Product datasheet for MC220353

Nol9 (NM_028727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nol9 (NM_028727) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nol9
Synonyms:	4632412I24Rik; 6030462G04Rik; AI449622; AW490720
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC220353 representing NM_028727
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGTCGGAGGTGTTACACCGGCGGGCTCCGAGCCGCTCTTCCTGGCTGCGGGTACGCAAAGCCC
GGCCCCACCTCCTCCTCAGCCGCCGGGGCCGCCGTCGGTTTGGGGTCCTGACCCGAGTCGAGCTGCGACG
CCTGCGACGGCGGCTGCTGCGGGCACACGCGTTAGGCGGGGACTGGAAGCAGGTCGCCCCCGCGGGCGCG
CACGTGGCGGTAAAGTGCAAACTCCGGGCCCGCAGCCGGCCGGCGCCCCGCAGCCCGCCCACACCGAGCG
TCCCGCCCGCGCCATGCACCGCGTCCGCGACCTGCAGCCTGCTCAACCCCCGCAACCACTCCACGCCCCA
GAGCCGGGCCGGGCGCCCCGTGCGGAAGGTGTCCCCGAACGTCACCCAGCCCGTGCGGGACCTGGGCTCG
GGCCGCGTGTTGATGATGCTGCCGCCGGGAGAGGGTTTCACTTTCAGTGGGATCTGCCGTGTGACTTGCG
TCTACGGCCAGTTGGAAGTATACGGCCATATCATCAACCAAGGGCAGCCTCCCCAAGATGTCTTTTCTGT
CTACACCCACTCTTACCTGACCATCAATGGGGTTCCGTACGCAGAACCCGAGAAAAGTGAGAAGGCGATC
AGGAGGGAGATCCGGGCCCTGCTCAAGCCTTACACGAAACTAGATGACAGAAACTGGGTGGTGCGGTACT
TCCCTCCTCTGGGCTCCATTATGATTCTGGAACGGATGCAGTCTCGTTTTGTGGACTTCCTGAAGACCTA
TAAGTGCTCCTCATACGTGCTCCTGCAGGAGAACGCTCCTGTTCGGGTCAATTCTGAGTTTACAACTTTG
AAGAAAATTGGCATCAGAAGACAGAAGAGGAAGAAAGCCATTTGCTTGAGTGAGAGTGGCCTTTGTGCCC
TGGAAGAGTTAGTCAGCGTGTCCTGTGATGGCTGCCCTGTCATCCTGTTGTGTGGCGCTTGTGACATTGG
AAAGTCAACGTTCAATAGAATACTGATTAACCAGTTATTAAATAGCATTCCTGGGGTTGACTATCTGGAA
TGTGATCTGGGGCAGACGGAGTTCACTCCTCCTGGCTGTGTCGCTTTACTTACCATCACAGAACCACTTC
TGGGACCGCCGTACACTCACCAGAGGAAACCACAGAGGATGGTGTACTATGGGAAGATGAACTGTTACAA
TGACTACGAGAATTACATTGACATAGTAAAATACGTGTTCAGAGATTACAAGAGAGAGTTTCCACTTATC
ATCAACACGATGGGCTGGGTGTCAGATAATGGGCTGCGGCTGCTTGTGGACCTGATCCGGGTGCTGTCTC
CCAATTATGTCGTTCAGTTATATTCTGATCGCTGTAAATTTACACCGACACTGACCTCCGAATACGTAGA
GCTCACAGATGGCCTGTATACAAAAAGCAAGATCAAAAGATATCGAGGTTTTGAAATTCCAGAATTTGGA
GACAATTTAGAATTTACTTATGAAGAGAAAGAGTCTAGTCCACTTCCAGTCTTCACTGGACATGTACTGC
TGTCTGTTCACTCCGAATTCTTAAGTAGTAAAAATGAAAAGAACAGGGCCAAATACAACAGGATTTTTCG
AGATCTGGCAGTGTTGGGCTACCTTAGCCAGCTGATGCTTCCCGTGCCAGAGTCACTTAGTCCTTTGCAC
AGCCTGACGCCCTATCAGGTCCCCTTCAGTGCCGTCGCTATCCGGGTCTTGCATGCCGACGTTGCGCCTA
CCCACATACTGTATGCTGTGAATGCCAGCTGGGTCGGCCTTTGCAGGATCGTGGATGATATGAAAGGCTA
CACTCGGGGCCCCATCCTGCTTGCCCAGAACCCCATATGTGACTGTTTGGGCTTTGGTATCTGCAGAGGC
ATTGACATGGACAAGCGGACCTACCACATCCTCACCCCTCTACCCCCAGAAGAGTTAAAAACTGTGAACT
GTCTGCTGGTTGGTTCCATTTCCATCCCACATTGTATTTTTCAGAACCAGCTTTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_028727

Insert Size: 2016 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_028727.3, NP_083003.2
RefSeq Size:	2297 bp
RefSeq ORF:	2016 bp
Locus ID:	74035
UniProt ID:	Q3TZX8
Cytogenetics:	4 E2
Gene Summary:	Polynucleotide 5'-kinase involved in rRNA processing. The kinase activity is required for the processing of the 32S precursor into 5.8S and 28S rRNAs, more specifically for the generation of the major 5.8S(S) form. In vitro, has both DNA and RNA 5'-kinase activities. Probably binds RNA (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate 3' terminal exon, and as a result, lacks a portion of the 3' coding region and has a distinct 3' UTR compared to variant 1. It encodes isoform (2), which has a shorter C-terminus than isoform 1.